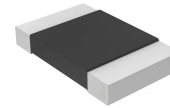
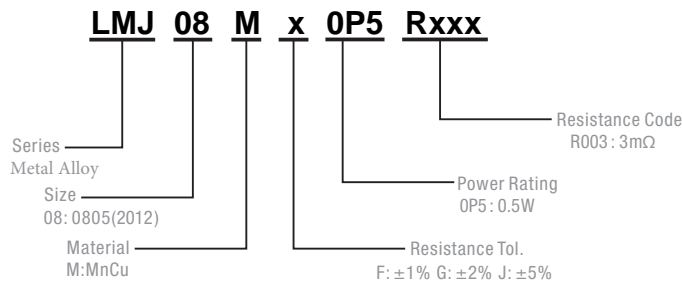


## Description

- Proprietary processing technique produces extremely low resistance values
- Very low inductance
- Low thermal EMF
- Metallic Material



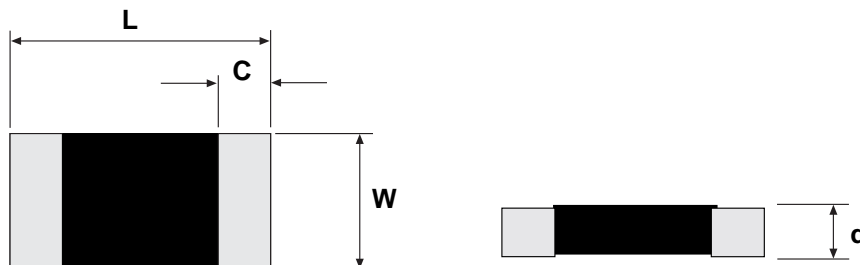
## Part Numbering System



Parameter	Standard
Power Rating	0.5W
Resistance Value	1~25mΩ
Operating Temperature Range	-55 to +170°C
Component Temperature Coefficient (TCR)	± 50 ppm/°C
Maximum Working Voltage (V)	$(P \times R)^{1/2}$
Rating Current(A)	$(P / R)^{1/2}$

P=Power Rating; R=Resistance Value

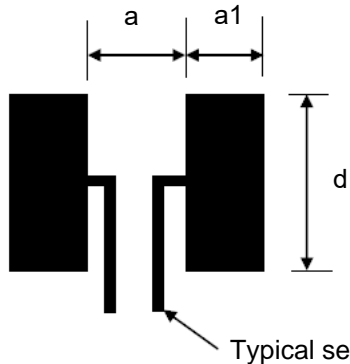
## Dimensions



Unit: Millimeters

Series	L	W	C	t	Material
LMJ08	2.0±0.1	1.25±0.1	0.65±0.2 (R ≤ 1)	0.6 ±0.20	Strip : Alloy Over Coating : molding Compound UL-94V-0 grade
			0.4±0.2 (2 ≤ R ≤ 25)		

Recommended land pattern



Unit: Millimeters

Resistance Range (Ω)	d	a1	a
0.001	1.4	1.15	0.7
0.002~0.025	1.4	1.15	1

**Packaging**

Quantity: 5, 000pcs  
 8mm wide tape on 178mm(7 inch)  
 diameter reel -specification EIA  
 Standard 481.

**Performance**

Test Items	Conditions of Test	Test Limits
Thermal shock	- 55 °C to + 150 °C, 300 cycles, 15 min at each extreme	± 1.0 %
Short time overload	5 x rated power for 5 s	± 0.5 %
Low temperature operation	- 55 °C, 1000 h	± 0.5 %
High temperature exposure	1000h at + 170 °C	± 1.0 %
Moisture resistance	MIL-STD- 202, method 106, 0 % power, 7b not required	± 1.0 %
Load life	1000 h at 70 °C , 1.5 h "ON", 0.5 h "OFF"	± 1.0 %
Resistance to bonding exposure	260 °C for 10 s	± 0.5 %

**Derating Curve**

